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	Log. Factor Letter of Parallax of Refer-	9	v 86 <b>19</b> .0	q 8649.0	<i>o</i> 8169.0	o.7558 d	0.8002	o.8002 f	0.8153 g	0.8179 h	i 6718.0
<b>-</b> 27	Log. I of Par in (a)		+9.3254	+ 9.3254	+ 9.1968	+ 9.4260	+ 9.3035	+ 6.303\$	+ 9.3939	+ 9.3939	+9.3934
	Apparent Declination of Comet.	0	+23 2 4.6	+23 2 2.5	+20 41 26.2	+16 57 55.8	+ 8 53 27.0	+ 8 53 24.9	+ 7 16 47.2	+ 6 45 59.7	+ 6 46 4.2
her 2).	No. of Comparisons (8)		Ret.	:	"	ις	4	4	Ret.	•	"
e, <b>18</b> 96 Noveml		"	- 9 49.0	9.44 4 +	+ 3 28.7	+ 7 5.9	+ 6 37.3	-730.4	+ 2 33.6	+ 6 20.4	L.I 0I-
Comet I. 1897 (Perrine, 1896 November 2).	No of Apparent R.A. Comparisons of Comet. $(\alpha)$	Ħ	19.6 21 02	98.6 41 02	20 12 33.87	20 6 9.27	19 55 42.57	19 55 42:39	19 54 10·58	19 53 43.52	19 53 43.40
Come	No of Jompariso (a)		Ret,	£		25	20	70	Ret.	•	*
	<i>w</i> −*B.A. (	ממ	+0 12.42	-1.35.89	18.91 0-	-0 40.93	-0 7.94	+1 31.52	+0 35.34	-I 13.2I	-I 8·82
	an Time tion.	h m s	7 42 30.3	7 42 30.3	6 49 50.0	7 50 10.2	6 0 36.4	6 0 36.4	6 26 39.2	6 22 14.9	6 22 14.9
	Greenwich Mean Time of Observation.	,	1896 Nov. 5	ıΩ	00	13	56	56	29	30	30

Notes

The stars of comparison too far away in declination; the right ascension very uncertain. March 4.—Observation unsatisfactory; an attempt to repeat the observation with the reticule February 22.—Comet tolerably bright, but the selection of definite point for observation difficult. February 23.—The comet seemed much March 1.-Interruptions from clouds. micrometer failed on account of clouds. March 21.—Comet v. ft.; observation doubtful fainter, and the separate measures are very discordant.

April 21.—Comet tolerably bright, especially towards the south-east, which is the point selected for observation. April 28.—Comet well seen, notwithstanding bright moonlight. May 1.—Comet appears much fainter; the sky rather light, though the Moon had not risen. May 9.—Interrupted by comet just visible; no alteration noticeable. June 2.—Some of the measures rejected evidently had no reference to the comet, which could May 16.—Brightness much the same as on May 13 May 7.—Observation very unsatisfactory with either micrometer; the mean of the whole of the measures is given. clouds. May 13.—Comet exceedingly faint; further observation probably impossible. only be seen at intervals by glimpses.

Nov. 8.—Only three observations possible on account Nov. 5.—Comet very faint and difficult to pick up; separate measures discordant. Nov. 26.—Comet very faint, but central stellar condensation suspected

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Assumed Mean Places of Stars of Comparison.

				Comet	Comet I. 1896 (Perrine-Lamp).	(amp).			
Date.		Star's ]	Designati for 1	Star's Designation or Authority for Place.	Mean R.A. 1896'o.	Correction to Mean R.A.	Mean Declination 1896°0.	Correction to Mean Dec.	Letter of Reference.
1896. Feb. 22	W. B.	xx. No	W. B., xx. No. 1808		21 o 6·39	94.0-	+27 53 34.8	6.01 —	в
22	Micron	neter ok	bs. from	Micrometer obs. from $(a)$ and prime vertical	20 58 23.14	<i>11.0-</i>	+27 54 42.6	L.0I —	9
23	Bonn C	Obs., vc	ol. vi. N	Bonn Obs., vol. vi. No. 4150	21 20 9.55	-0.94	+32 30 33.7	6.8 -	С
Mar. I	A. G. Z	Z. Cam	b. (U.S.	A. G. Z. Camb. (U.S.), No. 172	0 20 42.36	<b>-1.4</b> 4	+50 42 15.8	4-8.7	q
H		3	2	No. 166	0 19 42.66	-1.45	+50 59 40.4	4-8.7	в
m			:	No. 535	1 4 21.76	91.1-	+51 34 32.4	+12.3	÷
4		*	,,	No. 703	1 28 18.82	00.1-	+51 37 15.4	+ 13.8	В
4	"		ε	No. 709	1 29 7.51	00.1 —	+51 37 54.7	÷ 13.6	n.
- 6 - ×		Bonn	Bonn, No. 2312	312	2 36 29.59	-0.32	+49 56 31.6	9.91 +	·s
6		Camk	b. (U.S.)	Camb. (U.S.), No. 1246	2 35 34.90	98.0-	6.6 I o5+	+ 16.4	. j
11		Bonn	Bonn, No. 2515	515	2 51 16.73	07.0	+49 9 15.2	0.41+	Ŗ
II		2	No. 2521	521	2 51 45.06	-0.50	+49 5 24.0	0.41+	
91		5	No. 2999	666	3 26 57.48	+0.11	+46 55 29.3	+ 17.1	m
61			No. 3125	125	3 37 23.38	+ 0.50	+45 46 14.1	8.91+	u
21		• •	No. 3240	240	3 46 42.41	+0.52	+45 12 8.4	+ 16.5	0

	5	56				Mγ	. P	lur	nm	er,	Co	me	tar	y O	bse	rvc	itio	ns			LV	II.	7,	
	Letter of Reference.	B	9	Ġ	g	· <b>9</b> 5	f	8	ų	.0	.6	k	2	m	u	0	d	б	r	x	4	n	a	a
	Correction to Mean Dec.	+ 9.3	9.6 +	9.6 +	8.6 +	6.6 +	9.6 +	9.6 +	+ 9.4	+ 9.4	0.6 +	0.6 +	+ 8.0	o. +	6.9 +	+ 7.2	9.9 +	+ 6.3	+ 6.3	+ 5.4	+ 5.6	+ 4.8	+ 4.5	+ 4.5
	Mean Declination 1896'o.	+3° 46 33°°	+33 30 59.7	+36 7 42.5	+38 47 31.1	+38 57 19.8	+47 53 44.8	+47 44 41.0	+50 3 57.0	+49 59 24.3	+53 42 39.1	+53 42 31.6	+ 56 54 26.0	+ 56 49 38.7	+58 12 38.3	+ 58 23 44.8	+ 59 38 5.8	+ 60 39 61	+60 45 32.6	+62 0 4.4	+61 44 58.5	+62 52 21.1	+62 45 1.6	+63 56 34.0
7.	Correction to Mean R.A.	40.0+	+0.03	+ 0.05	60.0 -	60.0-	-0.36	-0.36	-0.45	-0.45	-0.64	-0.64	-0.82	-0.82	46.0 -	-0.95	-1.05	- 1.14	- I'14	72.1 —	- 1.24	- I.34	- 1.35	<b>– I</b> .43
Comet III. 1896 (Swift).	1 R.A.	3 31 2.55	3 32 19.92	3 25 7.02	3 24 20.71	3 27 12.70	3 9 21.32	3 9 37.40	3 5 45.96	3 6 41.19	2 59 46.29	2 59 52.56	2 46 22.80	2 44 47.99	2 32 25.41	2 40 34.84	2 29 37.95	2 27 40.94	2 27 58.03	2 16 59°C1	2 20 24.27	2 12 40'96	2 8 7.40	2 10 45.75
	Star's Designation or Authority for Place.	Leiden Zones, Nos. 11, 243	" No. 148	Zones, Nos. 75, 79	,, Nos. 92, 105	" Nos. 340, 498	A. G. Z. Bonn, No. 2730	" No. 2732	Bonn Obs., vol. vi. No. 873	A. G. Z. Bonn, No. 2695	Camb. (U.S.), No. 1379	" " No. 1381	A. G. Z. Helsingfors, No. 2591	" No. 2568	" No. 2404	Rümker, No. 1403	A. G. Z. Helsingfors, No. 2370	" No. 2337	" No. 2341	" No. 2205	" No. 2249	" No. 2111	" No. 2002	" No. 2058
	Date.	1	22 ,,	23 Lund	24 ,,,	24 ,,	28 A.G.	28 ,,	29 Bonn	29 A. G.		" .	3 A. G.	3 ,,	4 ,,	4 Rümk	5 A. G.	" 9	,, 9	., ,	, ,	∞ *	× .	
	Ω 3	1896. Apr. 2	•								$\mathbf{May}$													

		•		•							_										
Letter of Reference.	x	y	Ŋ	aa	qq	20	qq	99	ff	86	hh	ě	B	q	0	q	e	£	g	ų	.0
Correction to Mean Dec.	+ 4.6	+ 3.5	+ 3.5	+ 5.0	6.1 +	6.1 +	+ 1.5	- 0.4	- 3.1	3.4	6.6 -		8.81 +	+ 18.8	+ 17.5	+15.4	4.01 +	4.01 +	8.6 +	4.6 +	4.6 +
Mean Declination 1896'o	$+63^{\circ}5'$ 24'9	+64 32 32.0	+64 36 13.7	+65 40 3.5	+66 16 0.5	+66 13 18.0	+66 41 7.7	+68 33 7.5	+69 57 38.4	+69 56 1.4	+72 44 9.7		+23 11 34.8	+22 53 56.1	+20 37 40.0	+ 16 50 34.5	+ 8 46 39.0	9.44 o 6 +	+ 7 14 3.8	9.62 68 9 +	+ 6 55 56.2
Oorrection to Mean R.A.	1.42	05.1	1.51	- 1.63	99.1-	99.1—	-1.74	08.1-	-1.86	-1.84	19.0-	vember 2).	+2.58	+2.58	+2.56	62.2+	+2.32	+2.32	+2.36	+2.36	+5.36
~	2 12 13.35	2 0 52.96	1 56 50 70	1 46 23.63	1 41 22 84	1 44 47.64	1 40 17 <sup>88</sup>	1 12 50.54	0 54 40.55	0 51 21.28	23 15 53.52	Comet I. 1897 (Perrine, November 2).	20 16 54.91	20 18 42.97	20 12 48.42	20 6 47'91	61.84 52 61	19 54 8.55	19 53 32.88	19 54 54:37	19 54 49 86
Star's Designation or Authority for Place.	' A. G. Z. Helsingfors, No. 2098	" No. 1887	Greenwich 10-Year Catalogue, 1880, No. 314	A. G. Z. Christiania, No. 340	" " No. 328	" " No. 336	" " No. 327	" " No. 245	" No. 189	" " No. 177	Bonn Observations, vol. vi. No. 1099	Comet I.	A. G. Z. Berlin, No. 7657	" " No. 7673	" " No. 7610	Munich Observations, vol. i. No. 23406	" " No. 22619	", ", No. 22505	" " No. 22473	", " No. 22554	Bonn Observations, vol. vi. No. 4391
Date.	1896. May 9	OI	OI	II	12	12	13	16	61	61	June 2		Nov. 5	ĸ	∞	13	26	26	29	30	30

Liverpool Observatory: 1897 May 12.

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Observations of Comets, Perrine, 1896 Nov. 2, and Perrine, 1896 Dec. 8, at the Radcliffe Observatory, Oxford.

(Communicated by E. J. Stone, Esq., M.A., F.R.S., Radeliffe Observer.)

The following comet observations were made with the 10-inch Barclay Equatorial, using the ring micrometer, with

	Ref.	(a)	( <i>p</i> )	<b>©</b>	(q)	( <i>p</i> )	(e)	9	(g)		(y)	(i)	$(\hat{\mathcal{S}})$	(k)
	in N.P.D. $(q \times \Delta)$ .	o 6740	9.6975	9.6975	0.8085	:	0.8125	0.8125	0.8261		0.8044	9908.0	0.8411	0.8398
	Paralla in N.P.I	3.0	3.1	3.1	3.6	:	3.2	3.5	3.2		8.81	4.81	12.2	8.11
)	Apparent N.P.D. of Comet.	67 45 53"6	70 5 36.0	70 5 36.6	81 8 56.4	:	83 15 1.5	83 14 58.4	86 34 36.6		84 38 33 1	85 2 24.5	90 20 21.9	90 6 46.6
	$\mathop{\rm Log.}_{(p\times\Delta)}$	6.3690	9.3592	9.3592	:	9.5173	9.4825	9.4825	6.4416		8.9013	8.4986	8.4704	8.4698
1	Parallax in R.A. $p$ .	s + 0·15	+0.14	+0.14	:	+0.18	40.17	+0.17	91.0+		+0.54	60.0+	+ 0.05	-0.05
Comet Perrine 1896 Nov. 2.	Comet minus Star No. Apparent R.A. (corrected for Refraction only). of of R.A. N.P.D. Comps. Comet.	h m s 20 15 30·60	20 11 7.45	20 11 7.50	:	19 55 39.65	19 53 43.50	19 53 43.57	18.21 15 61	Comet Perrine 1896 Dec. 8.	1 IO 19'25	1 17 16.32	4 44 52.53	4 53 47.69
rine 1	No. ). of Comps	6	4	4	7	7	4	4	9	rine 1	3	∞	9	12
Comet Per	us Star efraction only N.P.D.	+1' 3.9	+0 13.1	+6 1.2	-032.5	:	9.61 5-	6.11 5-	-2 17.6	Comet Per	9.44 0-	+0 52.4	L.11 0-	-0 31.0
	Comet min (corrected for R. R.A.	86.81 0+	-137.41	-2 17.03	:	-0 4.25	-1 13.17	-2 36.81	-o 43.96		96.53 1-	-0 45.31	-1 35.65	+0 25.24
	Observer.	<b>⊗</b>	M	`.	ъ.	æ	Μ.	Μ.	К.		W.	æ	굓	ੁ ਅ
	Local Sidereal Ob Time.	h m s 22 40 52	22 35 25	22 35 25	0 5 59.	0 7 35	23 36 33	23 36 33	23 27 48		2 0 31	1 37 4	5 3 19	4 35 23
<u> </u> 	G.M.T.	h m s 7 39 52	7 22 38	7 22 38	7 46 6	7 47 42	1 и	1 I L	6 24 46		8 41 21	8 14 2	8 54 35	8 14 55
power 100:—	Date.	1896. Nov. 6	6	6	56	56	30	30	Dec. 7		Dec. 11	12	Jan. 23	26